

**AMENDMENT TO THE CLAIMS**

Claims 1-23 (Canceled)

24. (Currently amended) A process for producing human lactoferrin which comprises culturing a transformant eucaryotic cell containing a recombinant plasmid, said plasmid comprising a plasmic vector having a polydeoxyribonucleotide which codes for a human lactoferrin protein in a suitable nutrient medium until the human lactoferrin protein is formed and isolating the human lactoferrin protein.

Claims 25-64 (Canceled)

65. (New) The process of claim 24, wherein the eucaryotic cell is a mammalian cell.

66. (New) The process of claim 65, wherein the mammalian cell is immortalized.

67. (New) The process of claim 24, wherein the eucaryotic cell is a fungal cell.

68. (New) The process of claim 24, wherein the eucaryotic cell is a yeast cell.

69. (New) The process of claim 24, wherein the eucaryotic cell is an insect cell.

70. (New) The process of claim 69, wherein the insect cell is a SF9.

71. (New) The process of claim 67, wherein the fungal cell is selected from the group consisting of *Aspergillus*, *Saccharomyces*, *Kluyveromyces* and *Pichia*.

72. (New) The process of claim 71, wherein the fungal cell is *Aspergillus*.

73. (New) The process of claim 72, wherein the *Aspergillus* cell is selected from the group consisting of *Aspergillus oryzae*, *Aspergillus niger*, *Aspergillus nidulans* and *Aspergillus awamori*.

74. (New) The process of claim 72, wherein the *Aspergillus* cell is *Aspergillus oryzae*.

75. (New) The process of claim 72, wherein the *Aspergillus* cell is *Aspergillus niger*.

76. (New) The process of claim 72, wherein the *Aspergillus* cell is *Aspergillus nidulans*.

77. (New) The process of claim 72, wherein the *Aspergillus* cell is *Aspergillus awamori*.